

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 11236926
PUBLICATION DATE : 31-08-99

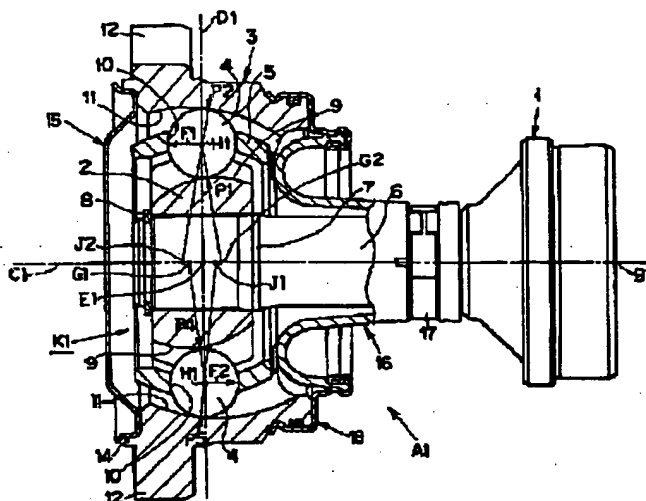
APPLICATION DATE : 20-02-98
APPLICATION NUMBER : 10056003

APPLICANT : TOYOTA CENTRAL RES & DEV LAB
INC;

INVENTOR : SUGIURA TOSHIKI;

INT.CL. : F16D 3/224

TITLE : BAR FIELD TYPE CONSTANT
VELOCITY UNIVERSAL JOINT



ABSTRACT : PROBLEM TO BE SOLVED: To stabilize the operation of a cage for holding a ball.

SOLUTION: This joint is provided with an inner race 2 having plural inner grooves 9, an outer race 3 having plural outer grooves 11, plural balls 4 arranged between the plural inner grooves 9 and the plural outer grooves 11, and a cage 5 arranged between the inner race 2 and the outer race 3 and for holding the balls 4 on a bisection surface D1. In this case, a first curvature center G1 and a second curvature center G2 of the adjacent inner grooves 9 are offset each other in both sides of the bisection surface D1, and a third curvature center J1 and a fourth curvature center J2 of the adjacent outer grooves 11 are offset each other in both sides of the bisection surface D1, and a distance from the bisection surface D1 to the first curvature center G1 and a distance from the bisection surface D1 to the second curvature center G2 are different from each other, and a distance from the bisection surface D1 to the third curvature center J1 and a distance from the bisection surface D1 to the fourth curvature center J2 are different from each other.

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